Recombinant Mouse Peroxiredoxin-2 (Prdx2)

Product Code	CSB-EP730728MO-B
Abbreviation	Prdx2
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	Q61171
Product Type	Recombinant Protein
Immunogen Species	Mus musculus (Mouse)
Purity	>85% (SDS-PAGE)
Sequence	ASGNAQIGK SAPDFTATAV VDGAFKEIKL SDYRGKYVVL FFYPLDFTFV CPTEIIAFSD HAEDFRKLGC EVLGVSVDSQ FTHLAWINTP RKEGGLGPLN IPLLADVTKS LSQNYGVLKN DEGIAYRGLF IIDAKGVLRQ ITVNDLPVGR SVDEALRLVQ AFQYTDEHGE VCPAGWKPGS DTIKPNVDDS KEYFSKHN
Source	E.coli
Target Names	Prdx2
Protein Names	Recommended name: Peroxiredoxin-2 EC= 1.11.1.15 Alternative name(s): Thiol-specific antioxidant protein Short name= TSA Thioredoxin peroxidase 1 Thioredoxin-dependent peroxide reductase 1
Expression Region	2-198
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full Length of Mature Protein
Target Details	This gene encodes a member of the peroxiredoxin family of antioxidant enzymes, which reduce hydrogen peroxide and alkyl hydroperoxides. The encoded protein may play an antioxidant protective role in cells, and may contribute to the antiviral activity of CD8(+) T-cells. This protein may have a proliferative effect and play a role in cancer development or progression. The crystal structure of this protein has been resolved to 2.7 angstroms. Transcript variants encoding distinct isoforms have been identified for this gene.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL.We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.
Shelf Life	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.

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